

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 2000-021412
 (43) Date of publication of application : 21.01.2000

(51) Int.CI.

HO1M 4/62
 HO1M 4/02
 HO1M 10/40

(21) Application number : 10-190609
 (22) Date of filing : 06.07.1998

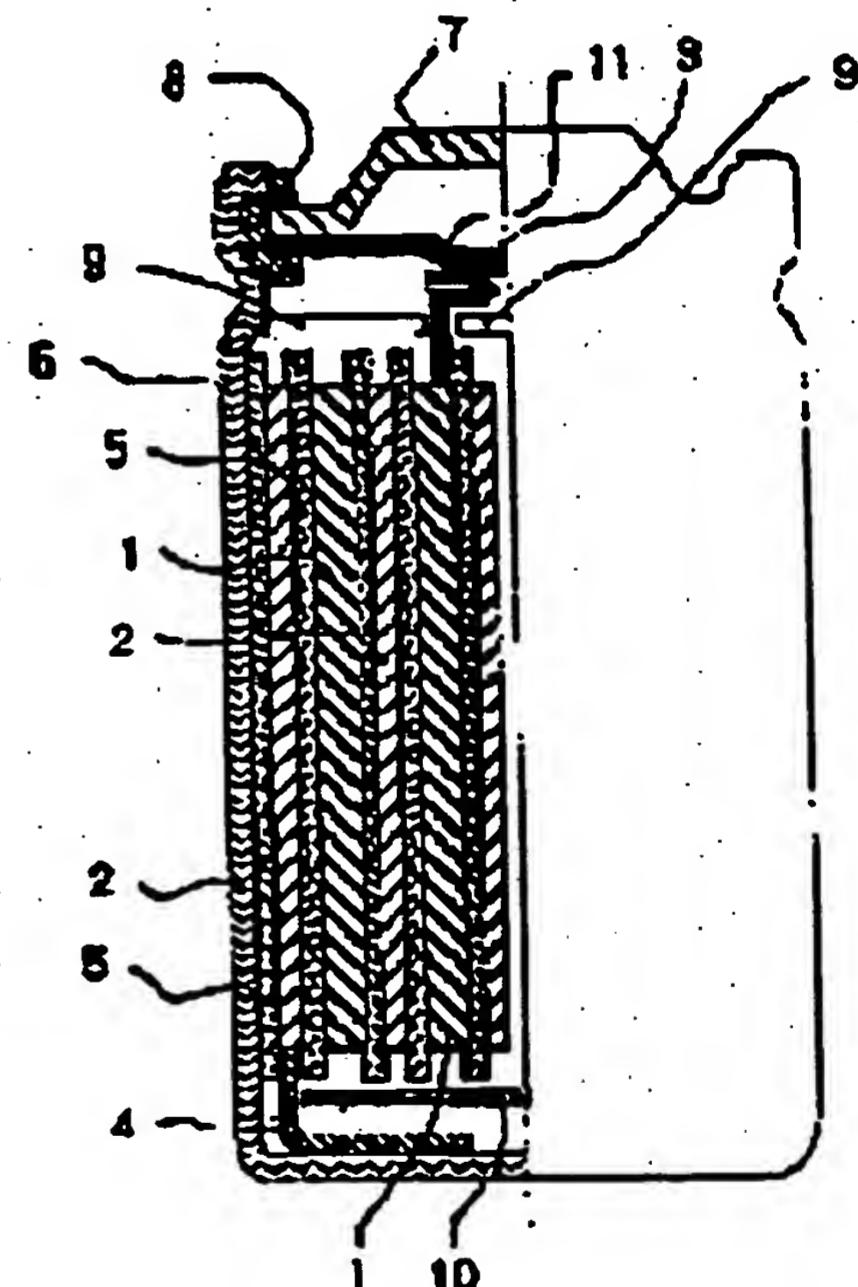
(71) Applicant : HITACHI LTD
 (72) Inventor : KATAYAMA HIDEAKI
 ARAI JUICHI
 AKABOSHI HARUO

(54) NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND MANUFACTURE THEREOF

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a nonaqueous electrolyte secondary battery which is superior high-temperature battery characteristic (especially, repeating lifetime characteristic) and has high reliability of safety.

SOLUTION: This secondary battery is formed of a negative electrode 2 using a material capable of storing and discharging lithium as the active material, a positive electrode using a material capable of absorbing and discharging lithium as the active material, and the nonaqueous electrolyte obtained by dissolving the lithium salt as the electrolyte in the nonaqueous solvent. In this case, the binder of the active material of one or both of the negative electrode and the positive electrode is composed of the polyimide resin having 500-3,000 MPa for the modulus of elasticity, and the nonaqueous electrolyte includes a material, which reacts with alcohol so as to generate the compound having superior fire resistance.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

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